

# Comparisons of Job Characteristics

**Focus Occupation: Soil and Plant Scientists (19-1013)**

**Associated Occupation: Farm and Home Management Advisors (25-9021)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 58

**Focus Occupation: Soil and Plant Scientists (19-1013)**

**Associated Occupation: Farm and Home Management Advisors (25-9021)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Education and Training	9.2	21.1	14.6	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	16.2	5.9	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.0	9.8	<<	Extensive education and/or training may be required
Food Production	2.1	14.0	13.1	0	Current knowledge level may be sufficient
Biology	3.7	12.0	18.5	>>	Current knowledge level is likely more than sufficient
Communications and Media	5.3	11.0	11.0	0	Current knowledge level may be sufficient
Sociology and Anthropology	4.1	10.2	3.8	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	8.6	3.7	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	8.3	4.3	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 75

**Focus Occupation: Soil and Plant Scientists (19-1013)**

**Associated Occupation: Farm and Home Management Advisors (25-9021)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Speaking	10.8	15.9	14.8	0	Current skill level may be sufficient
Active Listening	11.0	15.3	13.3	<	A higher skill level may be required

Learning Strategies	7.2	14.8	10.3	<<	Extensive development of skills in this area may be required
Active Learning	8.7	14.1	12.0	<	A higher skill level may be required
Judgment and Decision Making	9.4	13.5	13.8	0	Current skill level may be sufficient
Complex Problem Solving	9.1	13.3	12.8	0	Current skill level may be sufficient
Social Perceptiveness	9.1	13.3	9.6	<<	Extensive development of skills in this area may be required
Coordination	9.1	13.2	10.2	<<	Extensive development of skills in this area may be required
Instructing	7.8	13.2	9.9	<<	Extensive development of skills in this area may be required
Service Orientation	7.9	12.9	8.2	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	12.8	11.8	0	Current skill level may be sufficient
Systems Evaluation	6.4	12.6	11.1	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 94			
Focus Occupation: Soil and Plant Scientists (19-1013) Associated Occupation: Farm and Home Management Advisors (25-9021)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	17.0	15.7	0	Current ability level may be sufficient
Oral Comprehension	12.5	16.6	14.4	<	Some improvement in abilities may be required
Speech Clarity	10.2	15.4	13.8	<	Some improvement in abilities may be required
Speech Recognition	9.9	14.2	10.7	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	13.8	15.1	0	Current ability level may be sufficient
Fluency of Ideas	7.6	13.2	12.2	0	Current ability level may be sufficient
Originality	7.6	12.6	13.7	0	Current ability level may be sufficient
Number Facility	6.3	10.0	10.7	0	Current ability level may be sufficient
Memorization	5.6	9.4	7.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 74
Focus Occupation: Soil and Plant Scientists (19-1013) Associated Occupation: Farm and Home Management Advisors (25-9021)		

Work Activities	Exclusivity of Activity
Advise clients or customers	19
Collect statistical data	47
Identify crop characteristics	75
Make presentations	13
Recognize plant diseases	72
Resolve agricultural production problems	84

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 84

**Focus Occupation: Soil and Plant Scientists (19-1013)**

**Associated Occupation: Farm and Home Management Advisors (25-9021)**

Tools and Technologies	Exclusivity
Business function specific software	1
Cameras	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.